

ABSTRACTDIAGNOSTIC ELECTRONIC CIRCUIT AND ASSOCIATED COUNTING  
SYSTEM

The invention relates to a spectrometry diagnostic electronic circuit comprising digital data detection means corresponding to detected pulses and amplitude measurement means to associate a measured amplitude with a detected pulse (24), wherein pulse rejection means (25) are used to detect digital data and reject every pulse with a width that exceeds a pulse width threshold ( $t_c$ ) and any new pulse during a programmed time interval ( $T_3$ ), if a first pulse has been detected during the programmed time interval.